IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Zhu Xiaofan

Serial No. (not assigned) Examiner (not assigned)

Filed concurrently herewith Art Unit (not assigned)

For OPTICAL MODULE

Assistant Commissioner of Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Dear Sir:

Prior to calculation of the filing fee, Applicant wishes to amend the application as follows:

In the Claims:

Please amend claims 5, 6, 8 and 11 as follows (a marked up version of claims 5, 6, 8, and 11 being appended hereto):

5. An optical module according to claim 1, wherein a longer wave is allocated to a channel longer in free space length.

6. An optical module according to claim 1, wherein:

said output side is disposed at an angle of 90 degrees with respect to said input side; and

a movable mirror is inserted in a position corresponding to each channel in said free space to thereby form a matrix optical switch.

8. An optical module according to Claim 1, wherein an optical device constituted by

either of a filter and a semi-transparent mirror is used as said optically functional portion, and adjustment is made in such a manner that beam waists as equal to one another as possible are formed on said optical device, so that an optical multiplexer/demultiplexer or an optical tap is formed.

11. An optical module according to Claim 9, wherein a longer wave is allocated to channels larger in free space length.

REMARKS

The amendment avoids multiple dependent claim language and does not introduce new matter.

Please proceed to examination on the merits.

Respectfully submitted,

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Marked-Up Version of the Claims

Claim 5 (once amended). An optical module according to [any one of the Claims 1 through 4] <u>claim 1</u>, wherein <u>a</u> longer wave is allocated to a channel longer in free space length.

Claim 6 (once amended). An optical module according to [any one of Claims 1 through 4] <u>claim 1</u>, wherein:

said output side is disposed at an angle of 90 degrees with respect to said input side; and

a movable mirror is inserted in a position corresponding to each channel in said free space to thereby form a matrix optical switch.

Claim 8 (once amended). An optical module according to Claim 1 [or 2], wherein an optical device constituted by either of a filter and a semi-transparent mirror is used as said optically functional portion, and adjustment is made in such a manner that beam waists as equal to one another as possible are formed on said optical device, so that an optical multiplexer/demultiplexer or an optical tap is formed.

Claim 11 (once amended). An optical module according to Claim 9 [or 10], wherein <u>a</u> longer wave is allocated to channels larger in free space length.